

**393830119412109 Local number 085 N21 E20 36CAAC9 LYSIMETER 5 DEEP**

Basin and Range basin-fill aquifers

Undefined Aquifer

Washoe County, NV

LOCATION.--Lat 39°38'30.4", long 119°41'20.5" referenced to North American Datum of 1983, in NE ¼ NE ¼ SW ¼ sec.36, T.21 N., R.20 E., Washoe County, Hydrologic Unit 16050201.

**WATER-QUALITY RECORDS**

COOPERATION.--Washoe County Department of Water Resources

REMARKS.--Depth of lysimeter is 7 ft below land surface datum. Ground water quality data in this table were collected determine an estimate of the amount of nitrogen entering the ground water from septic tank systems in the valley by collection of water quality data from lysimeters and ground water wells near septic systems.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 2

| Date         | Time | Sample type        | Specif.<br>conduc-<br>tance,<br>wat unf<br>lab,<br>uS/cm<br>25 degC<br>(90095) | Chlor-<br>ide,<br>water,<br>fltrd,<br>mg/L<br>(00940) | Ammonia<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00608) | Nitrite<br>+<br>nitrate<br>water<br>fltrd,<br>mg/L<br>as N<br>(00631) | Nitrite<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00613) | Total<br>nitro-<br>gen,<br>wat flt<br>by anal<br>ysis,<br>mg/L<br>(62854) |
|--------------|------|--------------------|--|---|--|---|--|---|
| <b>Oct</b>   |      |                    |  |   |  |   |  |   |
| <b>05...</b> | 1145 | Interstitial water | 520  | 31.5  | 22.6   | .10   | .107   | 24.6  |
| <b>Nov</b>   |      |                    |  |   |  |   |  |   |
| <b>02...</b> | 1504 | Interstitial water | 587  | 38.6  | 19.5   | 3.90  | 3.96   | 27.3  |
| <b>Dec</b>   |      |                    |  |   |  |   |  |   |
| <b>07...</b> | 1215 | Interstitial water | 525  | 32.4  | 11.9   | 13.8  | 14.1   | 28.5  |
| <b>Mar</b>   |      |                    |  |   |  |   |  |   |
| <b>01...</b> | 1021 | Interstitial water | 1,150  | 188   | 21.3   | 10.3  | .010   | 34.2  |
| <b>Apr</b>   |      |                    |  |   |  |   |  |   |
| <b>05...</b> | 1130 | Interstitial water | 817  | 74.5  | 20.5   | .32   | .308   | 23.5  |
| <b>May</b>   |      |                    |  |   |  |   |  |   |
| <b>04...</b> | 1123 | Interstitial water | 602  | 56.2  | 23.2   | .49   | .474   | 29.0  |
| <b>Jun</b>   |      |                    |  |   |  |   |  |   |
| <b>01...</b> | 1135 | Interstitial water | 685  | 41.6  | 30.9   | .64   | .517   | 34.8  |
| <b>Jul</b>   |      |                    |  |   |  |   |  |   |
| <b>06...</b> | 1048 | Interstitial water | 619  | 32.6  | 29.4   | 3.71  | 3.94   | 36.6  |
| <b>Aug</b>   |      |                    |  |   |  |   |  |   |
| <b>02...</b> | 1107 | Interstitial water | 830  | 94.4  | 36.8   | 10.2  | .827   | 51.3  |
| <b>Sep</b>   |      |                    |  |   |  |   |  |   |
| <b>07...</b> | 1032 | Interstitial water | 1,370  | 345   | 44.7   | 5.25  | .080   | 53.6  |

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 2

| Date         | Time | Sample type        | Specif.<br>conduc-<br>tance,<br>wat unf<br>lab,<br>uS/cm<br>25 degC<br>(90095) | Chlor-<br>ide,<br>water,<br>fltrd,<br>mg/L<br>(00940) | Ammonia<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00608) | Nitrite<br>+<br>nitrate<br>water<br>fltrd,<br>mg/L<br>as N<br>(00631) | Nitrite<br>water,<br>fltrd,<br>mg/L<br>as N<br>(00613) | Total<br>nitro-<br>gen,<br>wat flt<br>by anal<br>ysis,<br>mg/L<br>(62854) |
|--------------|------|--------------------|--|---|--|---|--|---|
| <b>Oct</b>   |      |                    |  |   |  |   |  |   |
| <b>04...</b> | 1103 | Interstitial water | 1,630  | 340   | 25.6   | 3.26  | .121   | 32.4  |
| <b>Nov</b>   |      |                    |  |   |  |   |  |   |
| <b>01...</b> | 1129 | Interstitial water | --   | 101   | 17.1   | 2.14  | .069   | 21.7  |
| <b>29...</b> | 1058 | Interstitial water | 699  | 63.2  | 16.1   | 7.08  | 3.84   | 22.9  |